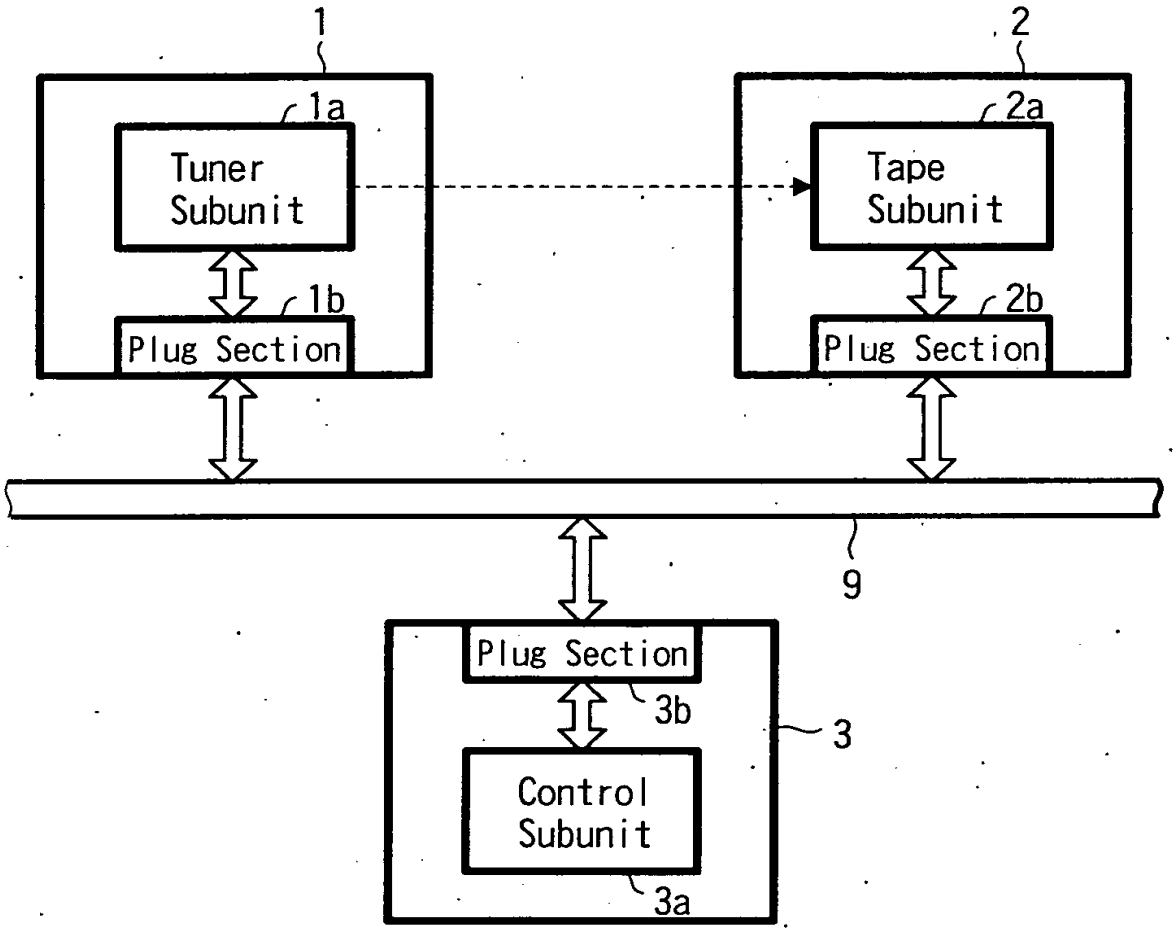
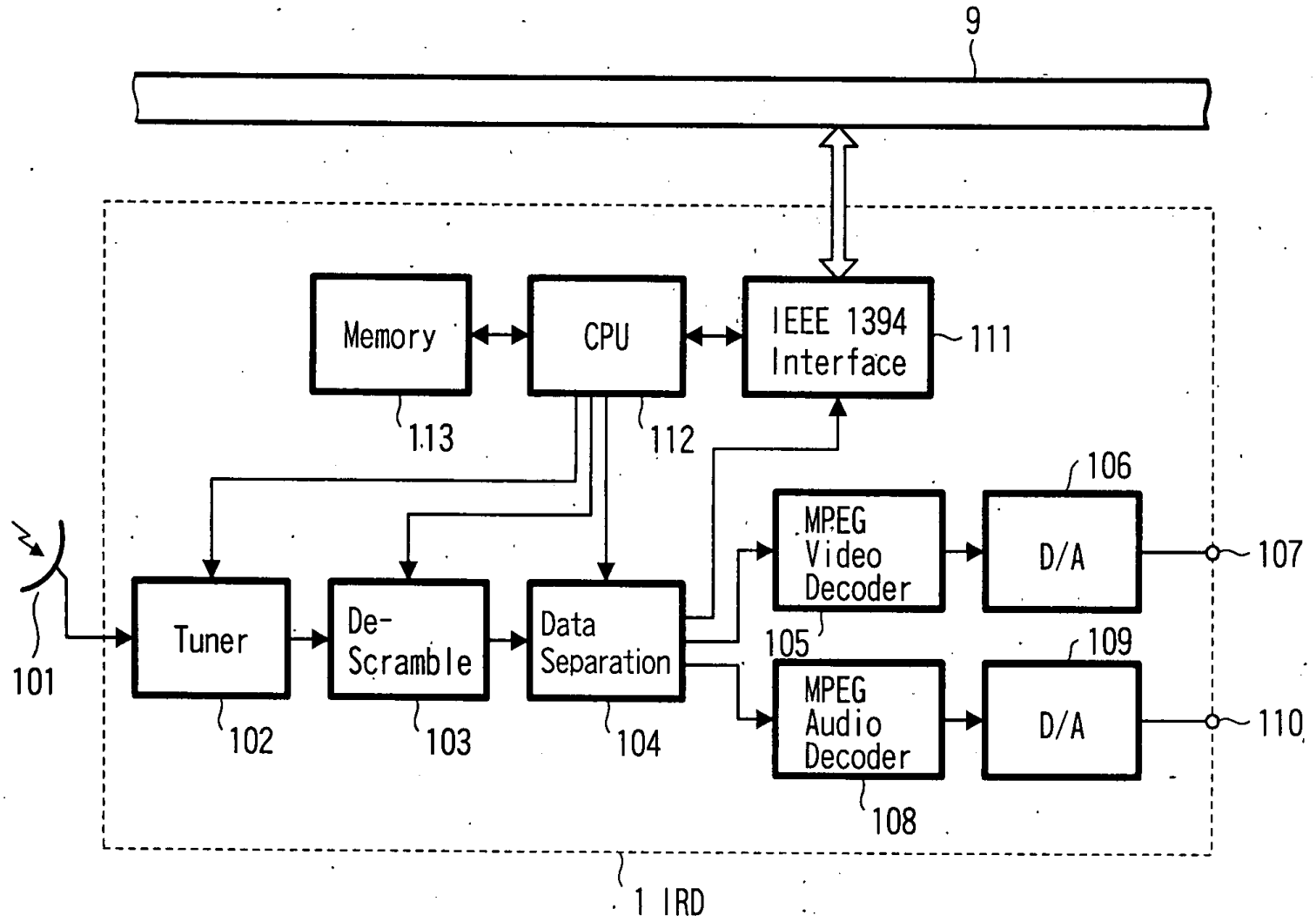
JP01006700

FIG. 1



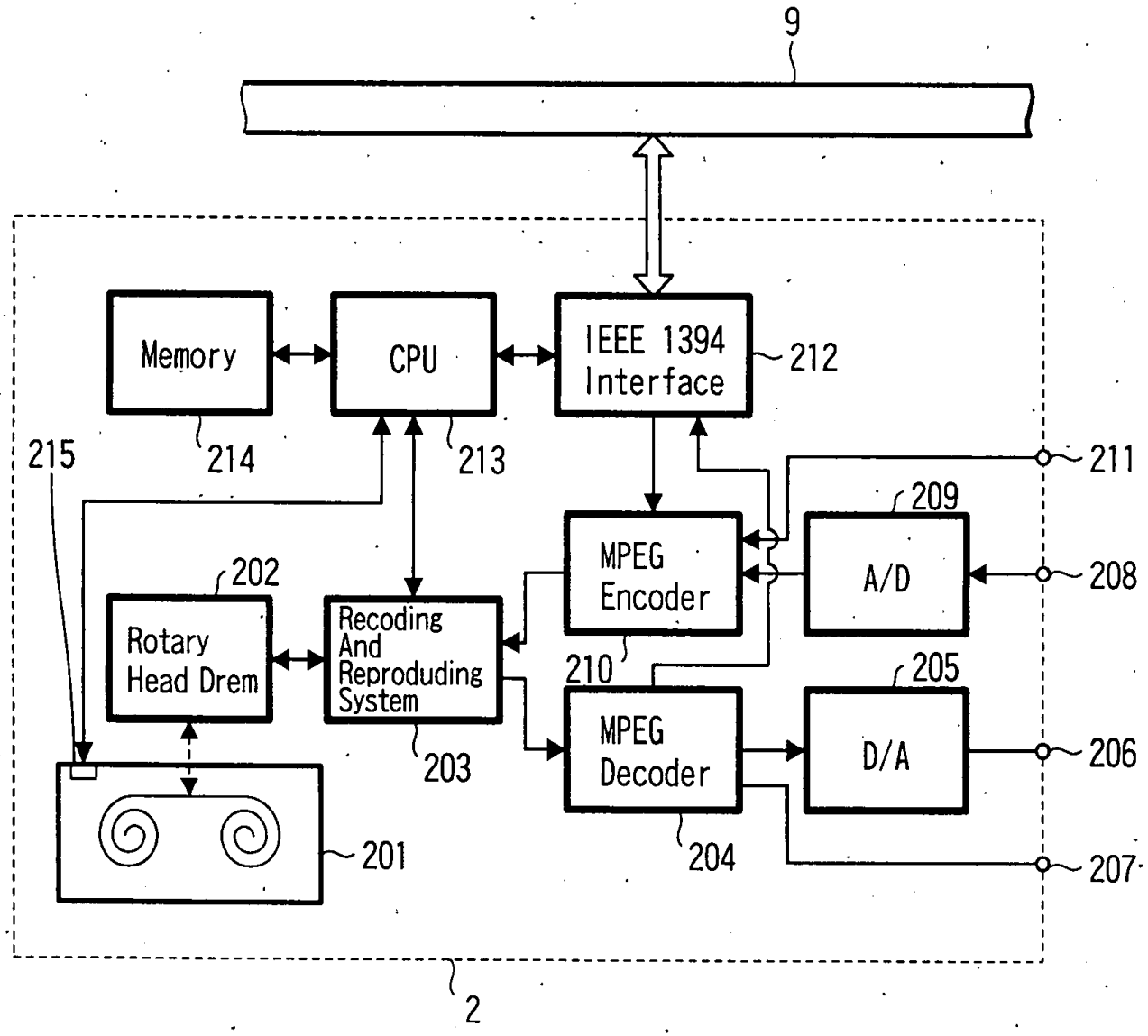
FOCFTO:995h9260

FIG. 2



EP 0 795 868 A2

FIG. 3



FOCFTO: 99SA9260

FIG. 4

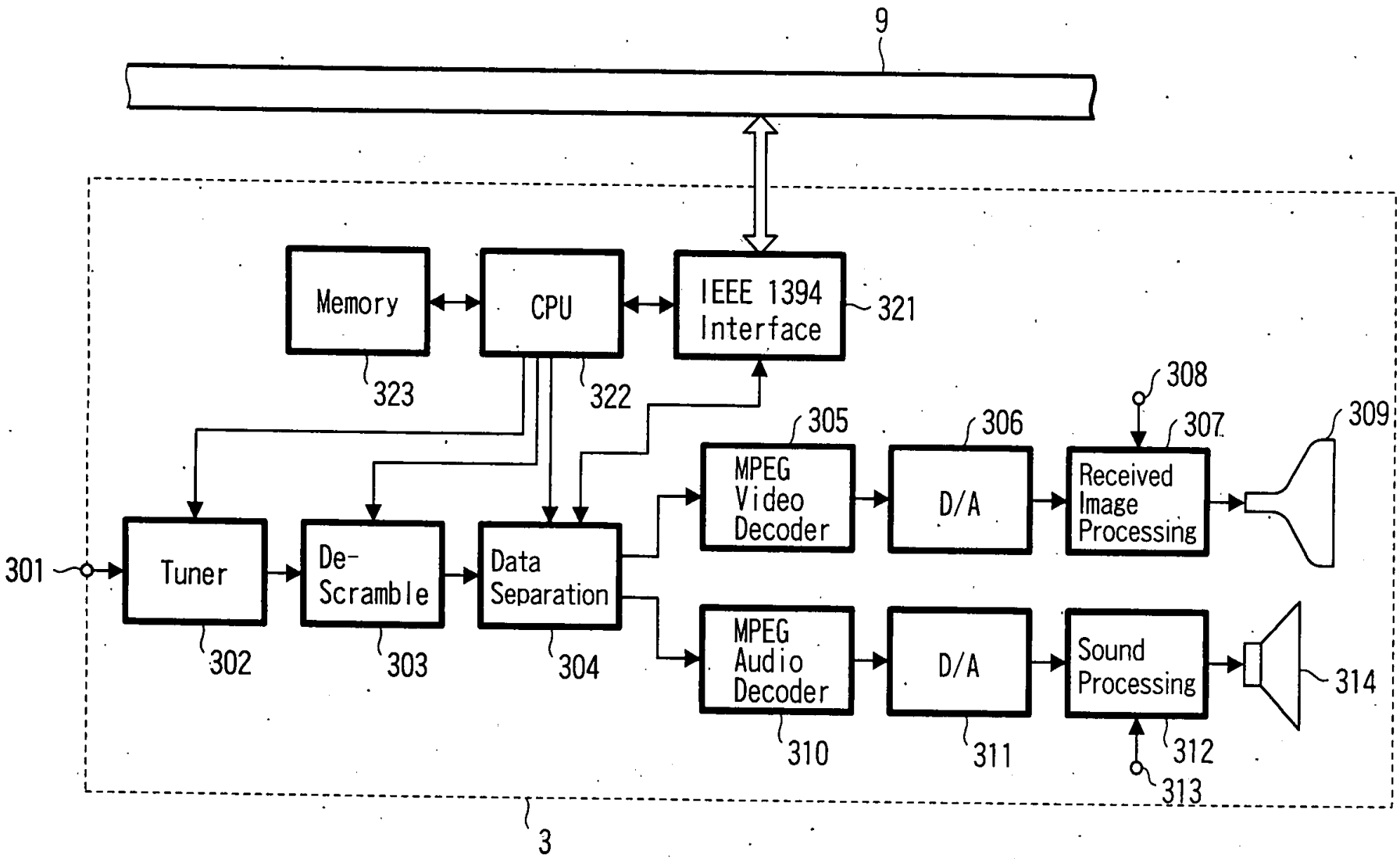


FIG. 5

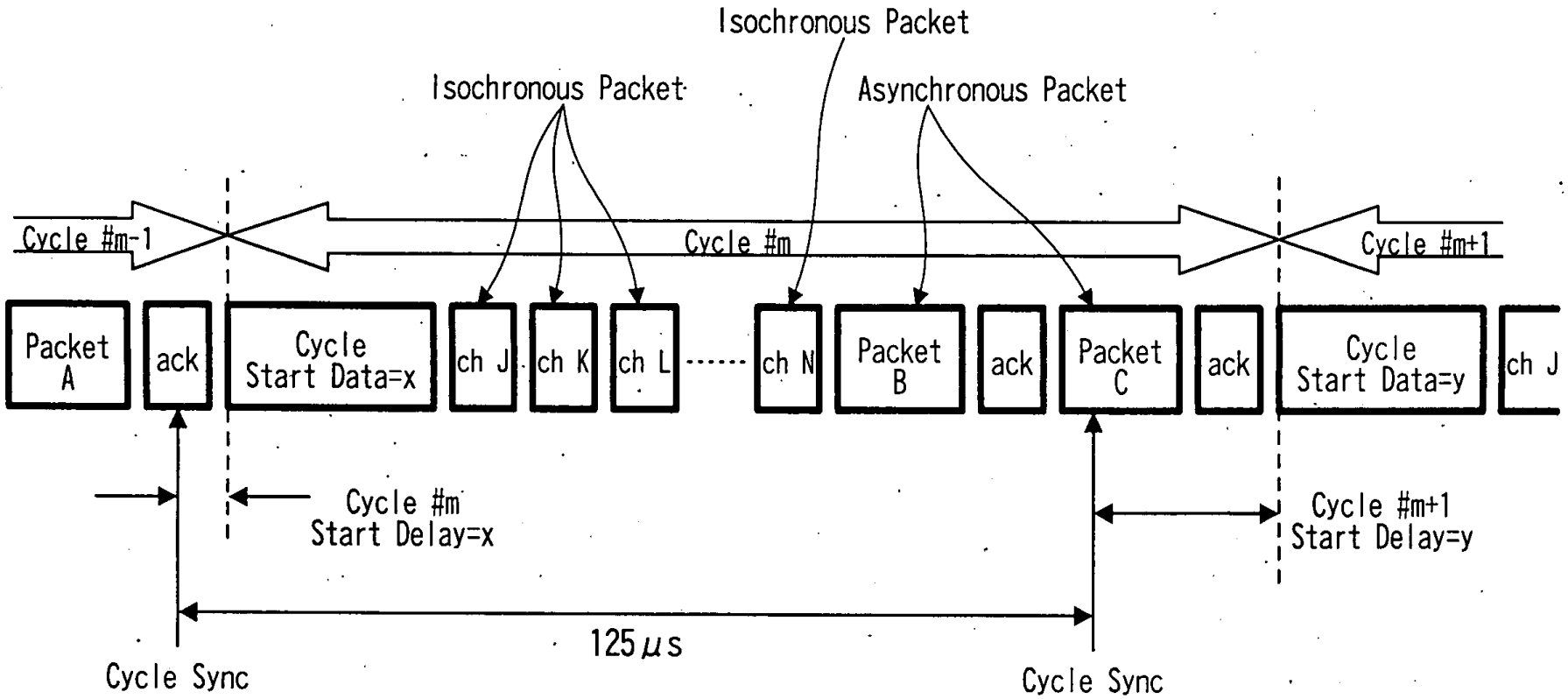

Isochronous Packet
Isochronous Packet
Asynchronous Packet
Cycle #m-1
Cycle #m
Cycle #m+1
Packet A
ack
Cycle Start Data=x
ch J
ch K
ch L
ch N
Packet B
ack
Packet C
ack
Cycle Start Data=y
ch J
Cycle #m Start Delay=x
Cycle #m+1 Start Delay=y
125μs
Cycle Sync
Cycle Sync

FIG. 6

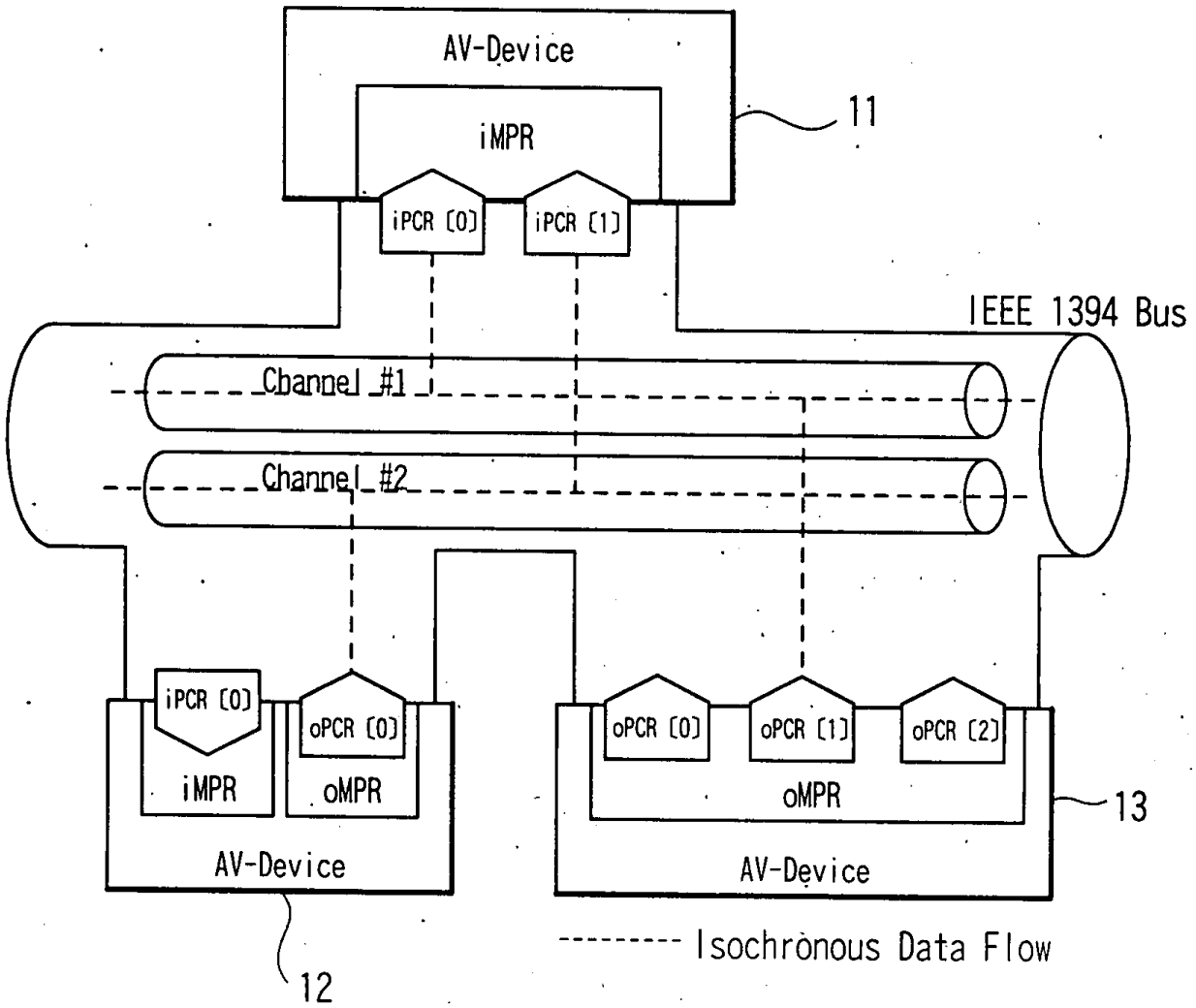

AV-Device
iMPR
iPCR [0]
iPCR [1]
11
IEEE 1394 Bus
Channel #1
Channel #2
iPCR [0]
iMPR
oPCR [0]
oMPR
AV-Device
12
oPCR [0]
oPCR [1]
oPCR [2]
oMPR
AV-Device
13
Isochronous Data Flow

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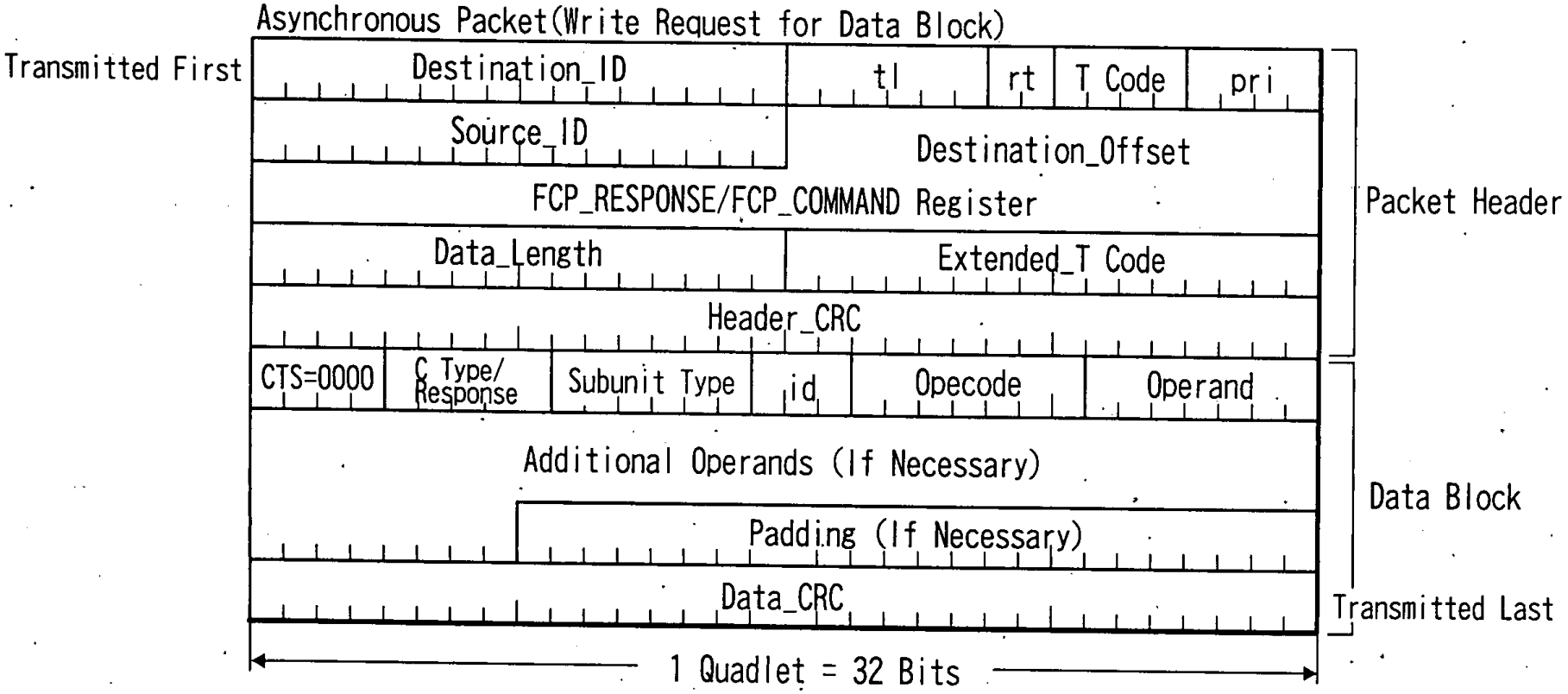
FIG. 7



EP 0 774 760 A2

FIG. 8A

C Type/Response

Command	0000 Control 0001 Status 0010 Specific Inquiry 0011 Notify 0100 General Inquiry 0101 ~ (Reserved for Future Specification) 0111
Response	1000 Not Implemented 1001 Accepted 1010 Rejected 1011 In Transition 1100 Implemented/Stable 1101 Changed 1110 (Reserved for Future Specification) 1111 Interim

FIG. 8B

Subunit_Type

00000	Video Monitor
~	(Reserved)
00011	Disc Recorder/Player
00100	Tape Recorder/Player
00101	Tuner
00111	Video Camera
~	(Reserved)
11100	Vendor Unique
11101	Reserved
11110	Subunit Type Extended to Next Byte
11111	Unit

FIG. 8C

Opecode:Operation Code

00h	Vendor-Dependent
50h	Search Mode
51h	Time Code
52h	ATN
60h	Open MIC
61h	Read MIC
62h	Write MIC
C1h	Load Medium
C2h	Record
C3h	Play
C4h	Wind
~	~

FIG. 9

	msb							lsb
Opcode	Input Select (1B6)							
Operand[0]	Subfunction							
Operand[1]	Reserved						F16	
Operand[2]	Node_ID							
Operand[3]								
Operand[4]	Output_Plug							
Operand[5]	Input_Plug							
Operand[6]	Signal_Destination_Subunit_Type						Signal_Destination_Subunit_ID	
Operand[7]	Signal_Destination_Plug							
Operand[8]	Reserved							

FIG. 10

Value	Subfunction	Meaning
0_{16}	Connect	Establish Connection with Output Device
1_{16}	Path Change	Conduct Path Change When Device Selection Is Conducted
2_{16}	Select	Conduct Device Selection,But Do Not Establish Connection
3_{16}	Disconnect	Disconnect Connection

FIG. 11

Value	Output_Plug
00_{16}-$1E_{16}$	Serial Bus oPCR[0]-oPCR[30]
$1F_{16}$-$7F_{16}$	Reserved
80_{16}-$9E_{16}$	External Output Plug 0-30
$9F_{16}$-FF_{16}	Reserved

FIG. 12

Value	Signal_Destination_Plug
00_{16}-$1E_{16}$	Serial Bus iPCR[0]-iPCR[30]
$1F_{16}$-$7E_{16}$	Reserved
$7F_{16}$	Any Available Serial Plug iPCR[x]
80_{16}-$9E_{16}$	External Input Plug 0-30
$9F_{16}$-FE_{16}	Reserved
FF_{16}	Any Available External Input Plug

FIG. 13

Value	Signal_Destination_Plug
00_{16}-$1E_{16}$	Destination Plug 0-30
$1F_{16}$-FE_{16}	Reserved
FF_{16}	Any Available Destination Plug

FIG. 14

	msb							lsb
Opcode	Input Select ($1B_{16}$)							
Operand[0]	Subfunction							
Operand[1]	Reserved						Result_Status	
Operand[2]	Node_ID							
Operand[3]								
Operand[4]	Output_Plug							
Operand[5]	Input_Plug							
Operand[6]	Signal_Destination							
Operand[7]								
Operand[8]	Reserved							

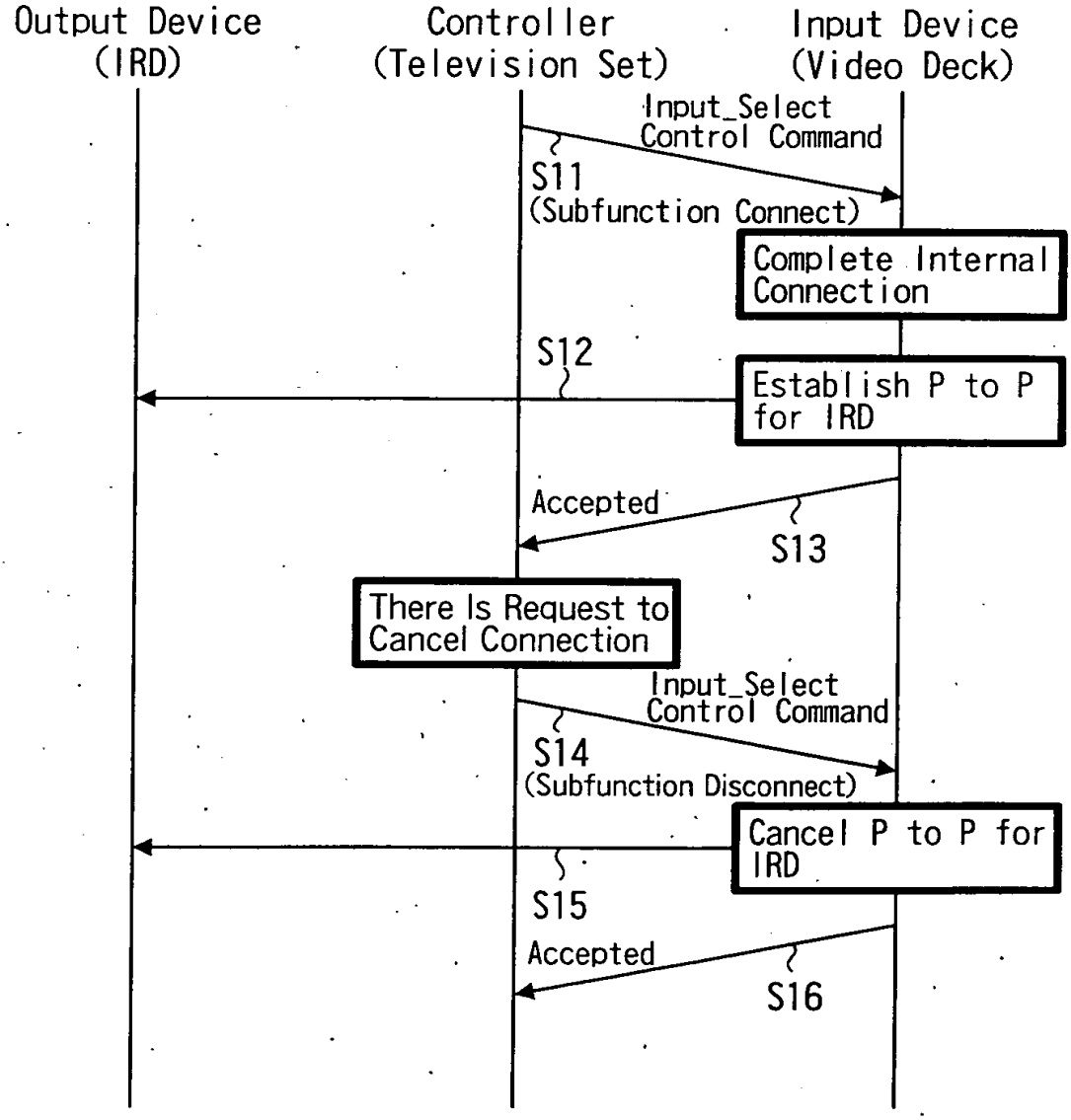
FIG. 15

Value	Resuit_Status	Return
0_{16}	No Error	Accepted
1_{16}	Ready	Accepted
2_{16}	Disabled	Rejected
3_{16}	Locked	Rejected
4_{16}	P-to-P(Not Owner)	Rejected
5_{16}	Insufficient Resource	Rejected
6_{16}	Source Not Found	Rejected
7_{16}	Not Selected	Rejected
8_{16}	Not Registered	Rejected
9_{16}~C_{16}	Reserved	
D_{16}	Any Other Reason	Rejected
E_{16}	No Information	Interim
F_{16}	Busy	Interim

FIG. 16

Value	Input_Plug
00_{16}-$1E_{16}$	Serial Bus Plug Zero-30
$1F_{16}$-$7F_{16}$	Reserved for Future Specification
80_{16}-$9E_{16}$	External Plug Zero-30
$9F_{16}$-FE_{16}	Reserved for Future Specification
FF_{16}	(Not Applicable for Accepted Response)

FIG. 17


Output Device
(IRD)
Controller
(Television Set)
Input Device
(Video Deck)
Input_Select
Control Command
S11
(Subfunction Connect)
Complete Internal
Connection
S12
Establish P to P
for IRD
Accepted
S13
There Is Request to
Cancel Connection
Input_Select
Control Command
S14
(Subfunction Disconnect)
Cancel P to P for
IRD
S15
Accepted
S16

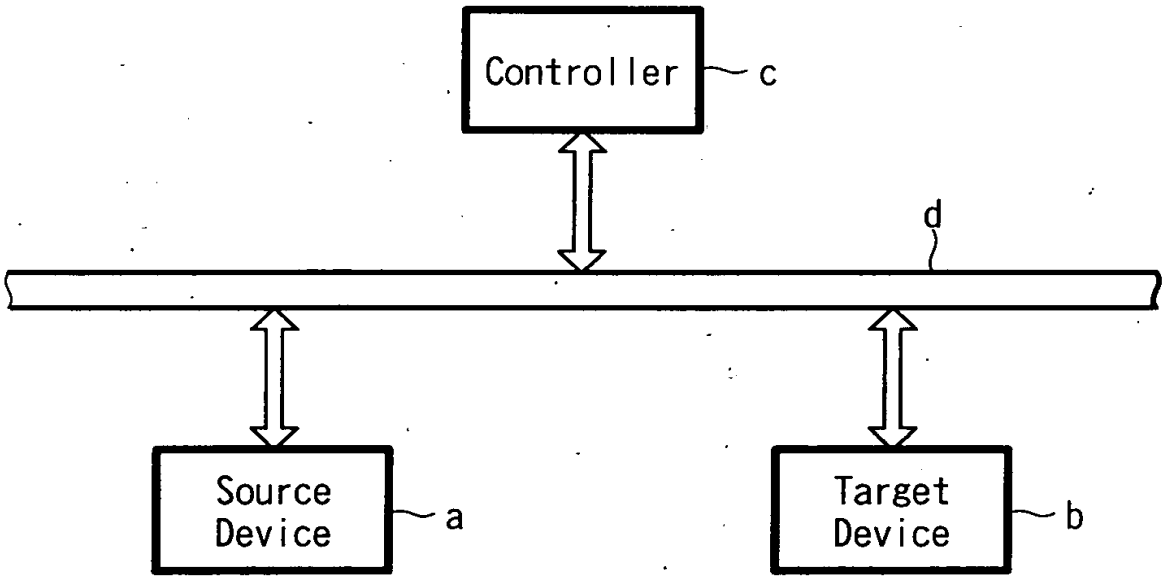



FIG. 18